

What is claimed is:

1. A data storage device comprising:
  - a baseplate defining a pair of recesses;
  - a motor received in one of the recesses of the baseplate, the motor comprising a stator having a flange secured with the baseplate and a rotor rotatably connected with the stator;
  - a disk stack mounted on the rotor; and
  - a head stack received in the other one of the recesses of the baseplate, the head stack comprising a head positioner assembly supporting a plurality of individual arms having read/write transducer heads at distal ends thereof in close proximity with respective upper and lower surfaces of the disks;wherein a first damper is sandwiched between the base of the motor and the baseplate for reducing vibration.
2. The data storage device as claimed in claim 1, wherein a second damper is sandwiched between the head stack and baseplate for improving dynamic head loading properties of the read/write transducer heads.
3. The data storage device as claimed in claim 1, wherein said one of the recesses receiving the motor defines a stepped central through opening thereby forming a step supporting the motor.
4. The data storage device as claimed in claim 2, wherein the baseplate respectively defines dents in which the first and second dampers are disposed, for preventing the first and second dampers from being squeezed out after the data storage device is assembled.
5. The data storage device as claimed in claim 1, wherein the flange of the motor and the first damper under the motor respectively define a plurality of fixing holes for extension of fasteners therethrough to connect the

motor to the baseplate.

6. The data storage device as claimed in claim 5, wherein the stator of the motor is combined with a plurality of radially extending stator laminations.
7. The data storage device as claimed in claim 6, wherein the rotor of the motor comprises a hub for rotatably mounting the disk stack thereon, and an annular magnet encircling the stator laminations.
8. The data storage device as claimed in claim 4, wherein the head positioner assembly defines a fixing bore, and the second damper sandwiched between the head stack and the baseplate defines a central hole.
9. The data storage device as claimed in claim 8, wherein the baseplate defines a screw hole under the dent having the second damper, and a screw shaft having a screw thread at a distal end thereof extends through the fixing bore of the head positioner assembly and the central hole of the second damper to engage in the screw hole thereby attaching the head stack to the baseplate.
10. A data storage device comprising:
  - a baseplate defining a pair of spaces;
  - a motor received in one of the spaces of the baseplate, the motor comprising a stator and a rotor rotatably engaged with the stator, the stator comprising a flange secured to the baseplate;
  - a disk stack mounted on the rotor; and
  - a head stack received in the other one of the spaces of the baseplate, the head stack comprising a head positioner assembly supporting a plurality of individual arms having read/write transducer heads at distal ends thereof in close proximity with respective upper and lower surfaces of the disks;

wherein a damper is sandwiched between the head stack and the baseplate for improving dynamic head loading properties of the read/write transducer heads.

11. The data storage device as claimed in claim 10, wherein another damper is sandwiched between the flange of the motor and the baseplate for reducing vibration.
12. The data storage device as claimed in claim 10, wherein said one of the recesses receiving the motor defines a stepped central through opening thereby forming a step supporting the motor.
13. The data storage device as claimed in claim 11, wherein the baseplate respectively defines dents in which the dampers are disposed, for preventing the dampers from being squeezed out after the data storage device is assembled.
14. The data storage device as claimed in claim 10, wherein the flange of the motor and the damper under the motor respectively define a plurality of fixing holes for extension of fasteners therethrough to connect the motor to the baseplate.
15. The data storage device as claimed in claim 14, wherein the stator of the motor is combined with a plurality of radially extending stator laminations.
16. The data storage device as claimed in claim 15, wherein the rotor of the motor comprises a hub on which the disk stack is rotatably mounted, and an annular magnet encircling the stator laminations.
17. The data storage device as claimed in claim 10, wherein the head positioner assembly defines a fixing bore, and the damper sandwiched between the head stack and the baseplate defines a central hole.
18. The data storage device as claimed in claim 17, wherein the baseplate defines a screw hole under the dent having the damper, and a screw shaft

having a screw thread at distal end thereof extends through the fixing bore of the head positioner assembly and the central hole of the damper to engage in the screw hole thereby attaching the head stack to the baseplate.

19. A data storage device comprising:

a baseplate defining a pair of recesses;

a motor received in one of the recesses of the baseplate, the motor comprising a stator secured with the baseplate and a rotor rotatably connected with the stator;

a disk stack mounted on the rotor; and

a head stack received in the other one of the recesses of the baseplate, the head stack comprising a head positioner assembly supporting at least one arm having read/write transducer heads at a distal end thereof in close proximity with at least one of upper and lower surfaces of the disks; wherein

at least one damper is provided between the baseplate and with the motor or the head stack for better mechanical property of either the motor or the head stack.